

NEW

DIGITAL MOTOR CHECKER EMC-28A

Ñ Electric Motor, Generator and Transformer Trouble Shooter

Ñ Know in a few minutes what the problem is: Electrical or Mechanical ?

Ñ Complete Condition of STATOR, ROTOR, Coil, Connections, Internal Fault or Ground Fault ?



Features:

- ❖ Very handy
- ❖ Light Weight
- ❖ Insulation Resistance (IR) Measurement
- ❖ Identify open and short circuits / loose connections in a winding coil
- ❖ Identify interterm shorts
- ❖ Detect rotor bar problems without dismantling the rotor
- ❖ Inductance of the winding with respect to different positions for rotor for detecting blow holes or cracks in the rotor bars.
- ❖ Simple operation accurate & quick assessment of motor condition.
- ❖ Low battery Indication

PREDICTIVE MAINTENANCE:

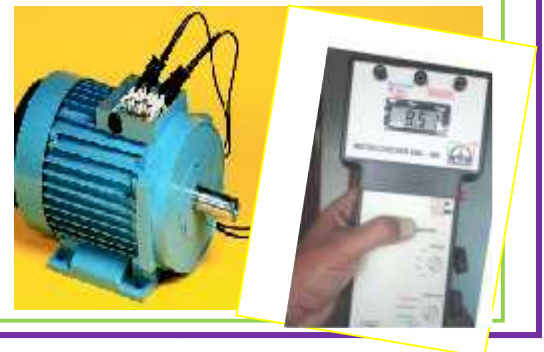
Regular testing can identify developing faults before a failure occurs. All measurement data can be trended for predictive maintenance condition monitoring. By making proactive repairs and eliminating unscheduled down- time, plant productivity is greatly improved.

EMC-28A is a Digital portable diagnostic tool for Electrical Engineer and is used for quick on - site checks of electric motor and other three - phase machines.

A reduction in machine performance, such as inefficient operation or tripping of overloads, may indicate mechanical or electrical faults. If the fault is electrical the EMC-28A will immediately detect it, without dismantling the equipment. The instrument has three separate operating modes to measure different types of faults like fully insulation, **open circuits / loose connections, short circuits, Ground faults** and **rotor defects**. Motor insulation is tested with a high voltage at **500V** DC supplied by the instrument.

Motor Checker EMC-28A finds the faults you can't see with any other handheld instrument

- Turn -to-turn , coil-to-coil and phase-to-phase faults
- Open phase
- Burned or contaminated winding
- Poor Connections
- Broken / Cracked rotor bars
- Grounded windings
- Cable faults.



Technical Specifications

A) INSULATION RESISTANCE:	0 – 200 M at 500 V DC \pm (2% + 1digit), 0.1 M resolution			
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B) RESISTANCE	RANGE	(OHMS) F.S.R	RESOLUTION	TOLERANCE
	1	200	0.10	\pm 2%
	2	20	0.01	\pm 2%
	3	2	0.001	\pm 2%
	4	0.2 (200m)	0.10 milli	\pm 2%

C) INDUCTANCE	RANGE	(mH) F.S.R	RESOLUTION	TOLERANCE
	1	2000	1 mH	\pm 3%
	2	200	0.1 mH	\pm 3%
	3	20	0.01 mH	\pm 3%
	4	2	0.001 mH	\pm 3%

- Display: 3½ LCD
- Temp. Operating Range:0- 55°C
- Size: 237x131x45
- Weight:500gms
- Power: 1.5V x 6 AA size cells / (Optional Accessory: Rechargeable Battery Pack with Charger)
- Enclosure: Moulded in high impact ABS

Standard Supply:

1. Motor Checker EMC-28A
2. Test Leads (Clips) - 1set
3. Batteries - 6 nos / (Optional Accessory: Rechargeable Battery Pack with Charger)
4. Manual
5. Test & Calibration Report with Warranty / Guarantee Certificate
6. Carry Case



MCM INSTRUMENTS

(An ISO 9001:2008 Company Company)

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